

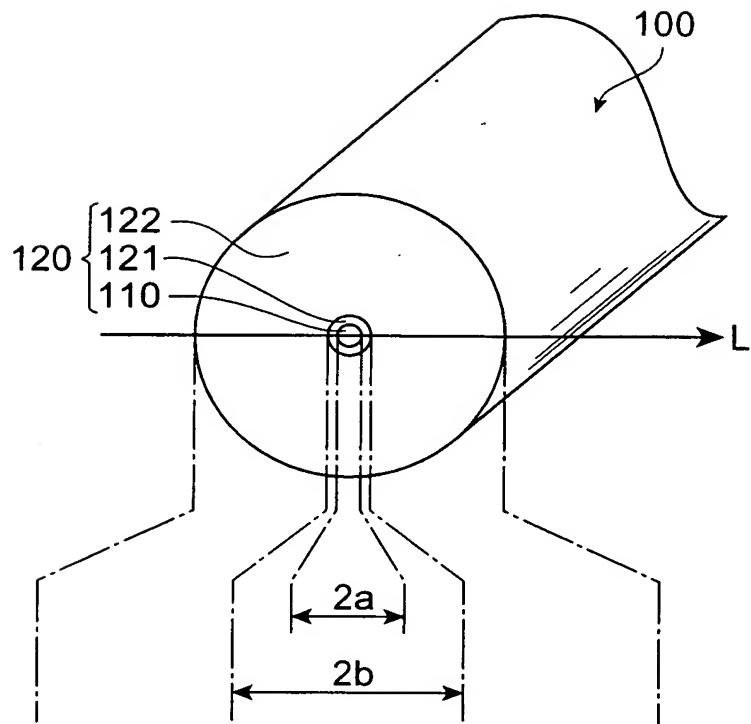
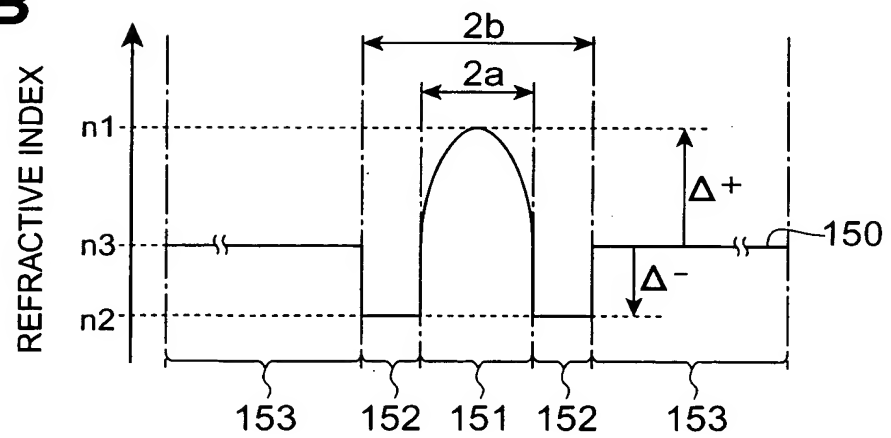
Fig.1A**Fig.1B**

Fig.2

SAMPLE NO.	Δ^+ (%)	Δ^- (%)	Ra (a/b)	2a (μm)	TRANSMISSION LOSS (dB/km)	CHROMATIC DISPERSION (ps/nm/km)	DISPERSION SLOPE (ps/nm ² /km)	CUTOFF WAVELENGTH (nm)	Aeff (μm^2)	γ (1/W/km)	MFD (μm)	PMD (ps $\cdot\text{km}^{1/2}$)
1	1.37	-0.82	0.52	4.890	0.48	0.063	-0.0011	789	16.4	10.4	4.6	0.05
2	1.37	-0.82	0.52	4.908	0.48	0.525	0.0006	995	16.5	10.3	4.6	0.06
3	1.37	-0.82	0.52	4.860	0.47	-0.771	-0.0045	980	16.3	10.5	4.6	0.02
4	1.37	-0.82	0.52	4.892	0.51	-0.077	-0.0015	987	16.4	10.4	4.6	0.03
AVERAGE	1.37	-0.82	0.52		0.55	5.432	0.0168					0.01
5				4.88		-0.2	-0.002	987	16.4	10.4	4.6	
				5.36		9.0	0.026	1084	17.4	9.8	4.8	
6	1.30	-0.75	0.55	5.288	0.43	0.31	0.001	948	18.2	9.1	4.9	0.03
7	1.30	-0.75	0.55	5.274	0.40	-0.10	-0.001	944	18.2	9.1	4.9	0.01

Fig.3A

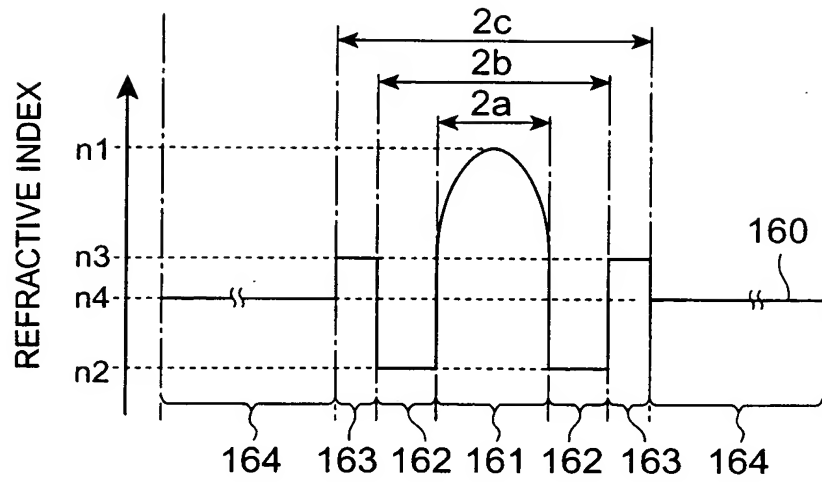


Fig.3B

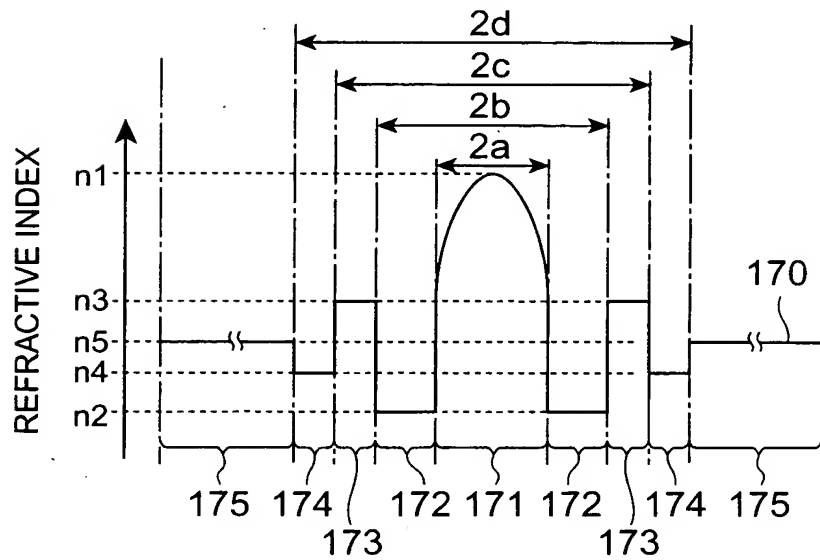


Fig.4

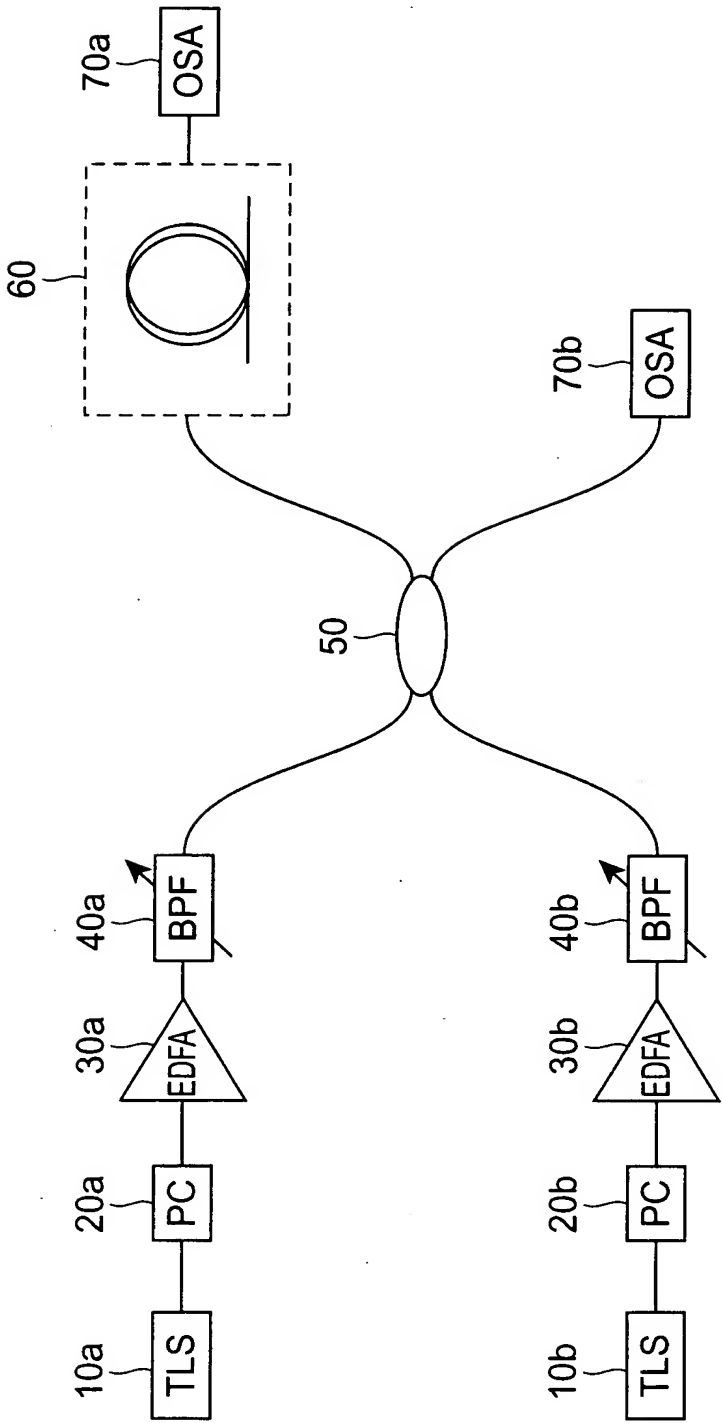


Fig.5

SAMPLE NO.	LENGTH (m)	TRANSMISSION LOSS (dB/km)	CHROMATIC DISPERSION (ps/nm/km)	DISPERSION SLOPE (ps/nm ² /km)	γ (1/W/km)
8	1000	0.47	0.42	0.0002	10.4
9	500	0.62	0.063	-0.0011	10.4
10	1000	0.56	-0.36	0.025	20.4
11	1000	0.22	0.32	0.0036	5.1
12	500	>9.9	-1	0.001	11.2

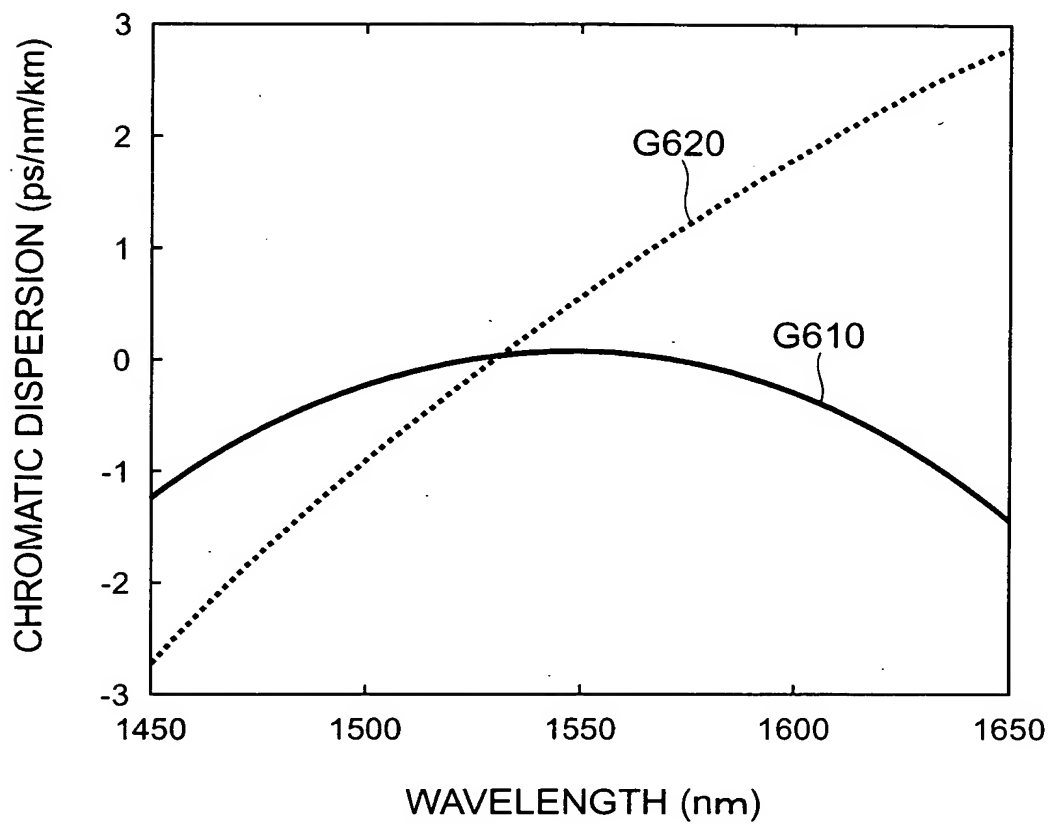
Fig.6

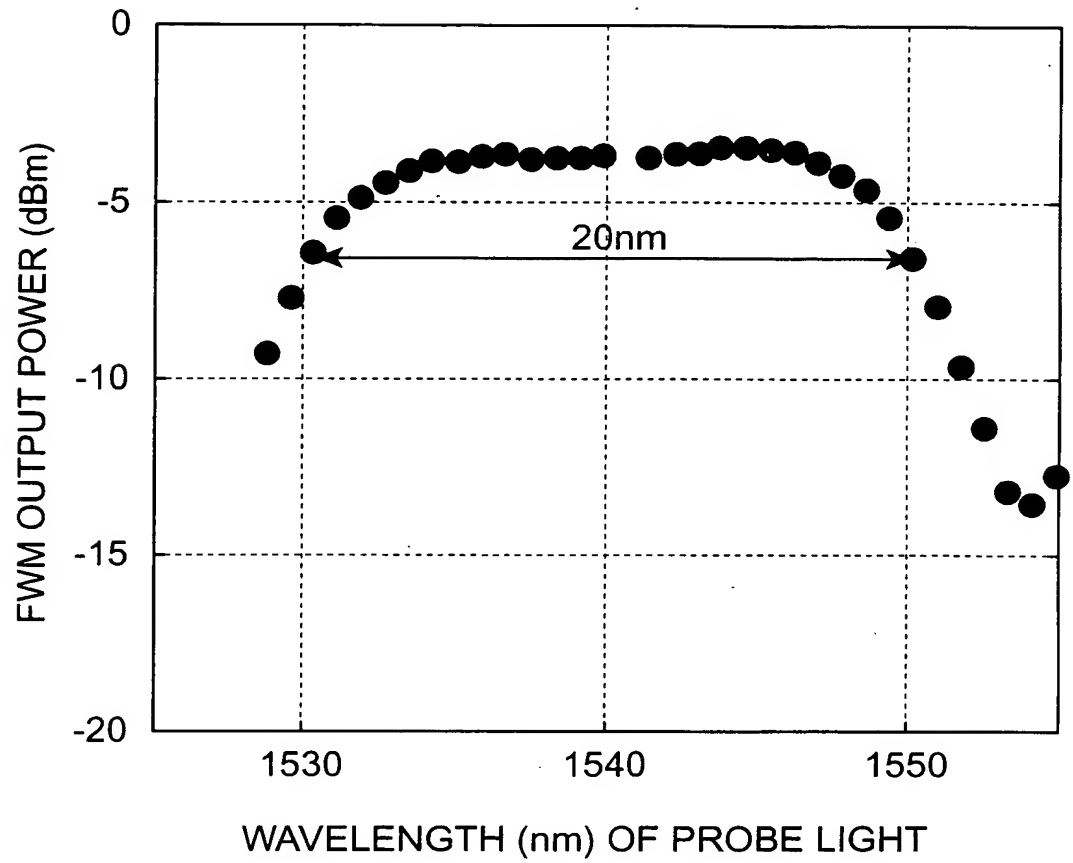
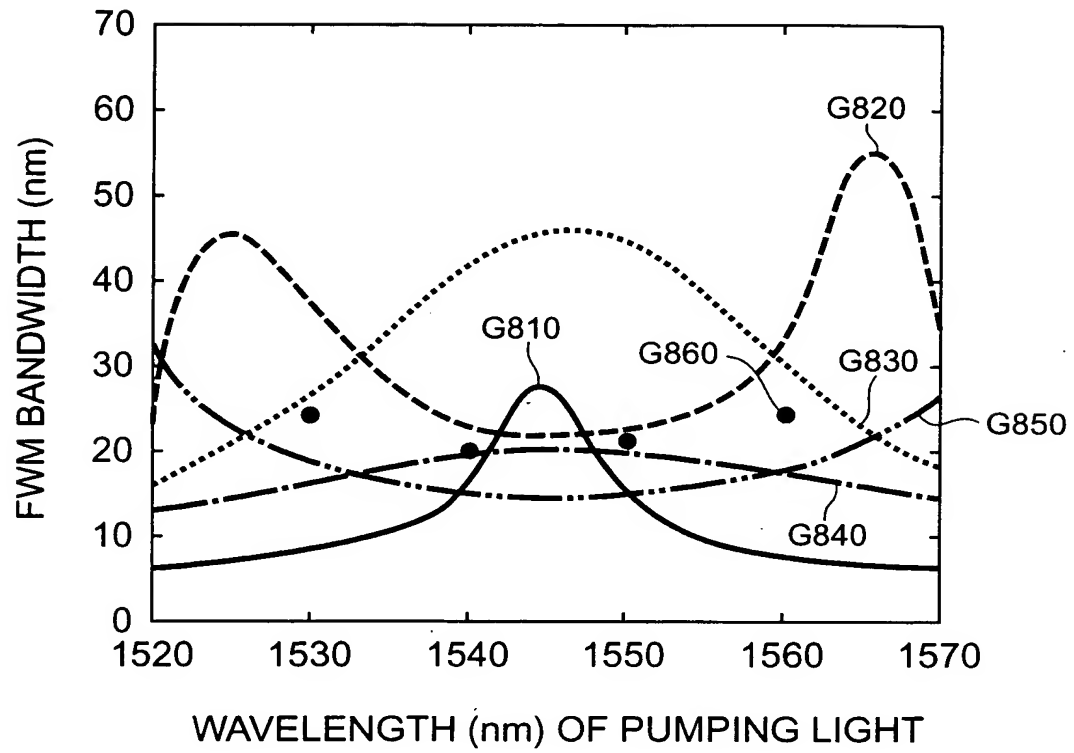
Fig.7

Fig.8

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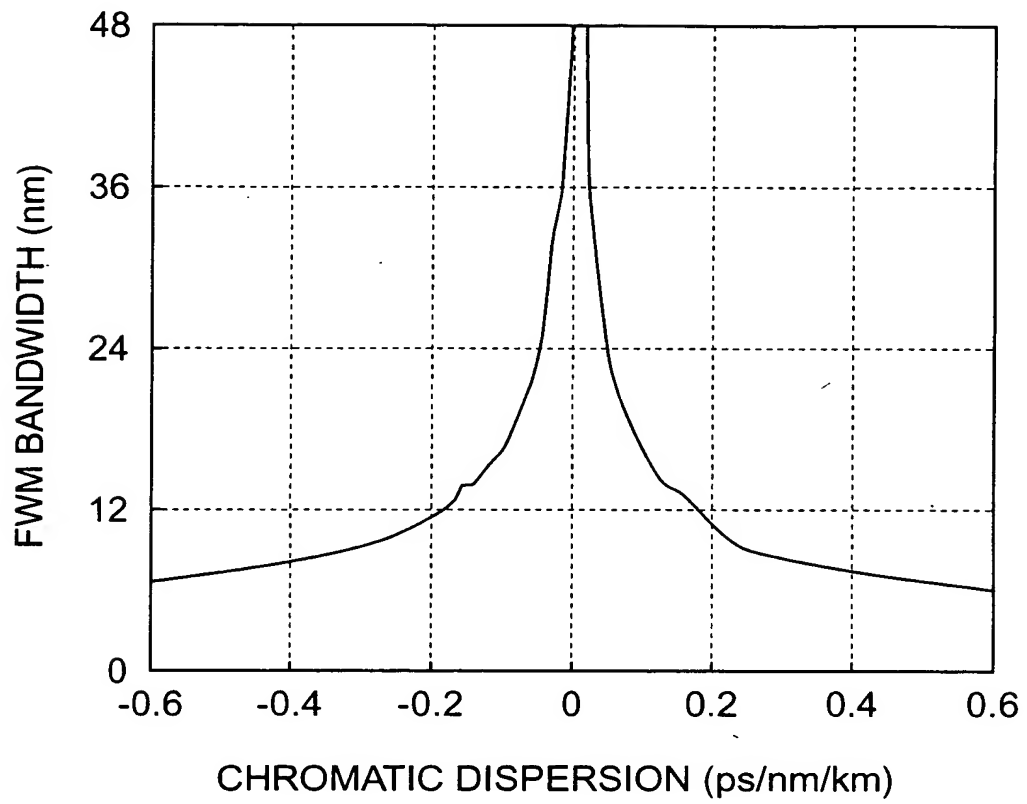
Fig.9

Fig.10A

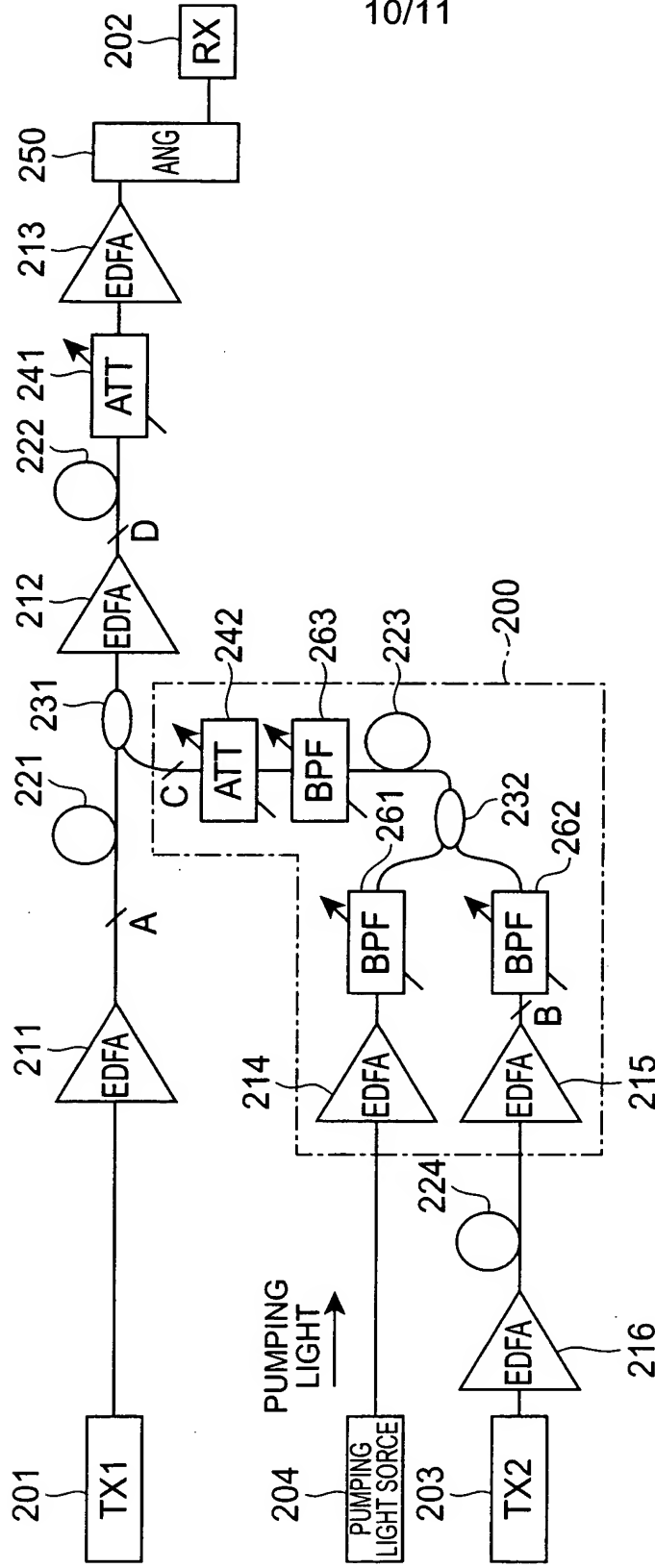


Fig.10B

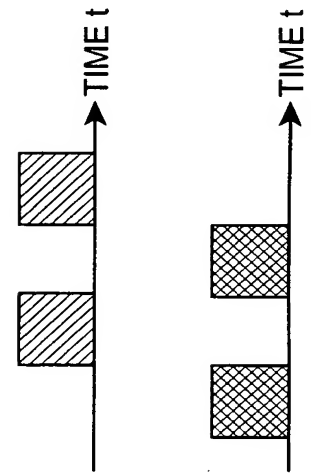


Fig.10C

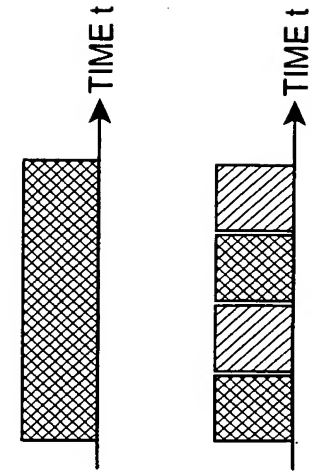


Fig.10D

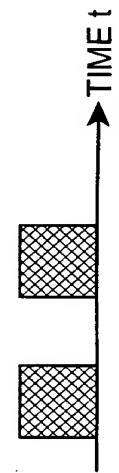


Fig.10E

